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## New England Biolabs Certificate of Analysis

Product Name:PCR MarkerCatalog Number:N3234SConcentration:300 μg/ml

Unit Definition: N/A

Packaging Lot Number: 10229522
Expiration Date: 02/2026
Storage Temperature: -20°C

Storage Conditions: 10 mM Tris-HCl (pH 8.0), 1 mM EDTA

Specification Version: PS-N3234S/L v1.0

PCR Marker Component List				
<b>NEB Part Number</b>	Component Description	Lot Number	Individual QC Result	
N3234SVIAL	PCR Marker	10228586	Pass	
B7025SVIAL	Gel Loading Dye, Purple (6X), no SDS	10186772	Pass	

Assay Name/Specification	Lot # 10229522
A260/A280 Assay	Pass
The ratio of UV absorption of PCR Marker at 260 and 280 nm is between 1.8 and 2.0.	
DNA Concentration (A260)	Pass
The concentration of PCR Marker is between 300 and 315 µg/ml as determined by UV absorption at 260 nm.	
Electrophoretic Pattern (Marker)	Pass
The banding pattern of PCR Marker on a 3% agarose gel shows discrete, clearly	
identifiable bands at each band of the marker, when stained with Ethidium Bromide at a concentration of 0.5 μg/ml.	
Non-Specific DNase Activity (DNA, 16 hour)	Pass
A 50 μl reaction in 1X NEBuffer 2 containing 1.5 μg of PCR Marker incubated for 16	
hours at 37°C results in a DNA pattern free of detectable nuclease degradation as	
determined by agarose gel electrophoresis.	

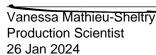
This product has been tested and shown to be in compliance with all specifications.

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Michael Tonello

Packaging Quality Control Inspector 26 Jan 2024

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